

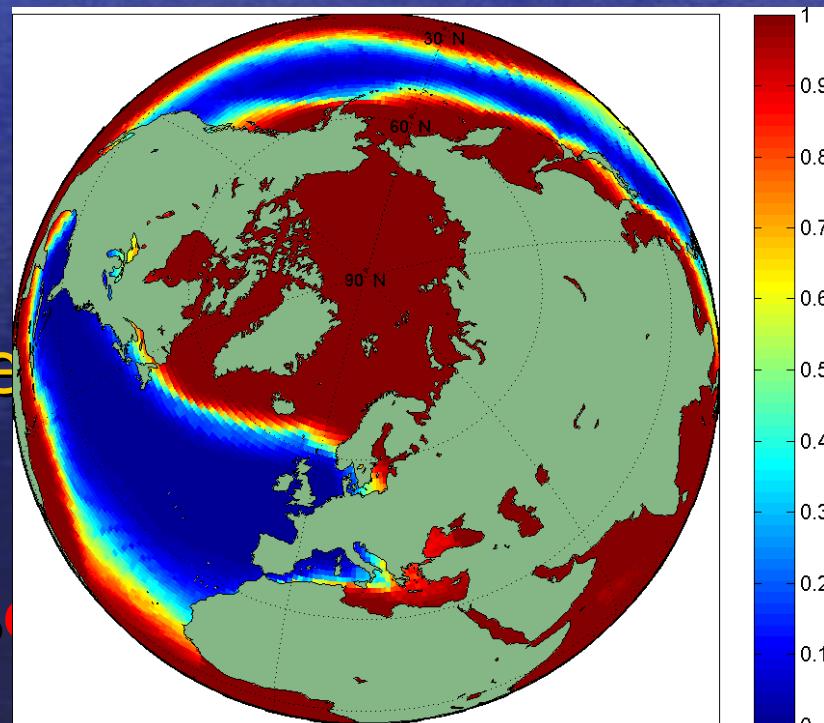
Problem Statement

Technical eXchange on AIS via
Satellite (TEXAS II)
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What is the question?

- In May 08, Bjorn Narheim of Norwegian Defence Research Establishment predicted a “wall” where satellite detection of AIS becomes impracticable
 - ITU-R Report M.2084 by JSC says the same
- AIS spectrum is shared by many 50w land mobile users
 - A single interferer can ruin your entire day
- **Do results confirm these predictions?**



Daily detection probability for 1 satellite in a 600km polar or

Problem Statement

AIS Slot Congestion and the sharing of AIS spectrum with other users, worsening situations, radically limit the ability of satellites to detect AIS transmissions from essential areas of the earth.